

Chemistry General Science Test Hard Mode

| Sr | Questions | Answers Choice |
|----|---|---|
| 1 | During the folding of filter paper the apex form angle of about | A. 80 ^o B. 60 ^o C. 180 ^o D. 90 ^o |
| 2 | The last orbit of argon would have electrons | A. 8 B. 18 C. 2 D. 6 |
| 3 | A chemical reaction A B is said to be in equilibrium when | A. Complete conversion of A to B has taken place B. Conversion of A to B is only 50% complete C. Only 10% conversion of A to B has taken place D. The rate of transformation of A to B is just equal to rate of transformation of B to A in the system |
| 4 | Portland cement is manufactured by using | A. Limestone, clay and sand B. Limestone, gypsum and sand C. Limestone, gypsum and alumina D. Limestone, clay and gypsum |
| 5 | Reaction of acids with alcohols is also known as | A. Esterification B. Saponification C. Alkalization D. None |
| 6 | Mark the smallest atom | A. F B. Cl C. Br D. I |
| 7 | The rate of reaction between A and B increases by a factor of 100 when the concentration with respect to A is increased 10 folds the order of reaction w.r.t A is | A. 10 B. 1 C. 4 D. 2 |
| 8 | A certain liberate 0.5 g of hydrogen in 2 h. How many grams of copper can be liberated by the same current flowing for the same time in a copper sulphate solution? | A. 12.7 gm B. 15.9 gm C. 31.8 gm D. 63.5 gm |
| 9 | Which one of the halogen acid is a liquid? | A. HF B. HCl C. HBr D. HI |
| 10 | Cyclone collector is used for minimizing | A. Radioactive pollution B. Air pollution C. Noise pollution D. Water pollution |
| 11 | When pressure is applied to the equilibrium system Ice Water Which of the following phenomenon will happen? | A. More ice will be formed B. Water will evaporate C. More water will be formed D. Equilibrium will not be formed |
| 12 | The total pressure exerted by a number of non reacting gases is equal to the sum of partial pressure of the gases under the same conditions is known as | A. Boyle's law B. Charle's law C. Avogadro's law D. Dalton's law |
| 13 | Water (H ₂ O) is liquid while hydrogen sulphide (H ₂ S) is a gas because | A. Water has higher molecular weight B. Hydrogen sulphide is a weak acid C. Sulphur has high electronegativity than oxygen D. Water molecules associate through hydrogen bonding. |
| | | A. Have more energy than the products |

| | | |
|----|--|---|
| 14 | An exothermic reaction is one in which the reacting substances | <p>B. Have less energy than the products</p> <p>C. Have the same energy as the products</p> <p>D. Are at a higher temperature than the products</p> |
| 15 | Which has maximum protein content? | <p>A. Ground nut</p> <p>B. Cow milk</p> <p>C. Egg</p> <p>D. Wheat</p> |
| 16 | If the solvent is inflammable for heating purpose we use | <p>A. Ice bath</p> <p>B. Water bath</p> <p>C. Wire gauze</p> <p>D. Thermostat</p> |
| 17 | Among alkali metal salts, the lithium salts are the poorest conductors of electricity in aqueous solution because of | <p>A. Easy diffusion of Li^+ ions</p> <p>B. Lower ability of Li^+ ions to polarize water molecules</p> <p>C. Lowest charge to radius ratio</p> <p>D. Higher degree of hydration of Li^+ ions.</p> |
| 18 | For the carbylamine reaction we need hot alc.KOH and | <p>A. Any amine and chloroform</p> <p>B. Chloroform and Ag powder</p> <p>C. A primary amine and chloroform</p> <p>D. A mono alkyl amine and trichlorom-ethane</p> |
| 19 | Which of the following compounds has the lowest anion to cation size ratio? | <p>A. LiF</p> <p>B. NaF</p> <p>C. CsI</p> <p>D. CsF</p> |
| 20 | Which of the following with aqueous KOH will give acetaldehyde? | <p>A. 1,2-Dichloroethane</p> <p>B. 1, 1-Dichloroethane</p> <p>C. Chloroacetic acid</p> <p>D. Ethyl chloride</p> |